

Claims

1 1. A packaging laminate comprising an impermeable outer layer;
2 an inner layer having a gas transmission rate greater than that of said outer
3 layer; and an adhesive layer in contact between said outer and inner layers to
4 form said packaging laminate, wherein said adhesive layer comprises an
5 adhesive resin, a curing agent and a butylated phenolic antioxidant.

1 2. The packaging laminate of claim 1 wherein the outer layer is
2 selected from a group consisting of: polyvinylidene chloride (PVDC) coated
3 PET OPP, aluminum coated PET, PE, OPP, nylon, aluminum oxide PET, OPP,
4 PE, acrylic coated OPP and PET, layers thereof, coatings thereof, and
5 combinations thereof.

1 3. The packaging laminate of claim 1 wherein said adhesive resin
2 is selected from a group consisting of: polyether, polyester, and polyurethane.

1 4. The packaging laminate of claim 1 wherein said curing agent is
2 selected from a group consisting of: polyamines, polyols, isocyanates, and
3 organometallics.

1 5. The packaging laminate of claim 1 wherein said butylated
2 phenolic antioxidant is selected from a group consisting of butylated
3 hydroxytoluene and butylated hydroxyanisole.

1 6. A process of forming a packaging laminate comprising the step
2 of sandwiching a solventless adhesive material comprising an adhesive resin, a
3 curing agent, and a butylated phenolic antioxidant between two thin polymeric
4 film substrates.

1 7. The process of claim 6 wherein said adhesive material further
2 comprises an additive selected from the group consisting of: a plasticizer, a
3 filler, and a pigment.

1 8. The process of claim 6 wherein sandwiching occurs at a
2 temperature less than 400°F.

1 9. The process of claim 8 wherein the temperature is between 50°
2 and 200°F.

1 10. An adhesive mixture comprising: an adhesive resin, a curing
2 agent and a butylated phenolic antioxidant.

1 11. An antioxidant adhesive film comprising: a cured adhesive
2 resin and a butylated phenolic antioxidant present in a concentration of
3 between 1000 and 300,000 parts per million.

1 12. A resealable package closure comprising:
2 a package having an outer layer forming sides and an interior volume;
3 and
4 a flap extending from at least one side of said package, said flap having
5 an antioxidant adhesive applied to a surface of said flap wherein said adhesive
6 comprises a cured adhesive resin having a vapor transmission rate of greater
7 than 0.2 grams per 100 square inches per day at 70°F; and a butylated phenolic
8 antioxidant present in a concentration of between 1000 and 100,000 parts per
9 million such that said adhesive resealably attaches to a portion of said package.